

NVL Laboratories, Inc.4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100, Fax: 206.634.1936
www.nvllabs.com**NVLAP**

#102063

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Paul W. Jackson & Associates, Inc.

Address: 3604 Beach Drive SW

Seattle, WA 98116

Attention: Mr. Paul Jackson

Project Location: Rainier Brewery

Batch #: 2410320.00

Client Project #: 2004-723

Samples Received: 9

Samples Analyzed: 9

Method: EPA/600R-93/116

Lab ID : 24057224 Client Sample #: 72301

Location: Rainier Brewery

Layer 1 of 1 Description: Tan brittle material

Non-Fibrous Materials:

Binder/Filler

Other Fibrous Materials: %

Cellulose 5%

Asbestos Type: %**Chrysotile 2%****Lab ID : 24057225 Client Sample #: 72302**

Location: Rainier Brewery

Layer 1 of 2 Description: Brown mastic

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials: %

Cellulose 2%

Asbestos Type: %**None Detected ND**

Layer 2 of 2 Description: Tan fibrous material

Non-Fibrous Materials:

Binder/Filler

Other Fibrous Materials: %

Cellulose 70%

Asbestos Type: %**None Detected ND****Lab ID : 24057226 Client Sample #: 72303**

Location: Rainier Brewery

Layer 1 of 1 Description: Tan fibrous material with paint

Non-Fibrous Materials:

Binder/Filler, Paint

Other Fibrous Materials: %

Cellulose 70%

Asbestos Type: %**None Detected ND****Lab ID : 24057227 Client Sample #: 72304**

Location: Rainier Brewery

Layer 1 of 1 Description: Gray fibrous material with paint

Non-Fibrous Materials:

Binder/Filler, Paint

Other Fibrous Materials: %

Glass fibers 65%

Cellulose 5%

Asbestos Type: %**None Detected ND****Lab ID : 24057228 Client Sample #: 72305**

Location: Rainier Brewery

Layer 1 of 2 Description: Brown fibrous material

Non-Fibrous Materials:

Binder/Filler

Other Fibrous Materials: %

Cellulose 70%

Asbestos Type: %**None Detected ND****Sampled by:** Client**Analyzed by:** Wei Long Tai**Date Analyzed:** 07/29/2004**Reviewed by:** Nick Ly**Date Issued:** 07/29/2004

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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Layer 2 of 2 Description: Black brittle material

Non-Fibrous Materials:

Binder/Filler

Other Fibrous Materials:%

Cellulose 2%

Asbestos Type: %**None Detected ND****Lab ID : 24057229 Client Sample #: 72306**

Location: Rainier Brewery

Layer 1 of 2 Description: White soft material

Non-Fibrous Materials:

Binder/Filler

Other Fibrous Materials:%

None Detected ND

Asbestos Type: %**None Detected ND****Layer 2 of 2 Description:** Yellow mastic

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials:%

Cellulose 4%

Asbestos Type: %**None Detected ND****Lab ID : 24057230 Client Sample #: 72307**

Location: Rainier Brewery

Layer 1 of 3 Description: Gray mastic

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials:%

Cellulose 3%

Asbestos Type: %**None Detected ND****Layer 2 of 3 Description:** Tan tile

Non-Fibrous Materials:

Vinyl/binder

Other Fibrous Materials:%

Cellulose 1%

Asbestos Type: %**Chrysotile 2%****Layer 3 of 3 Description:** Black mastic

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials:%

Cellulose 5%

Asbestos Type: %**None Detected ND****Lab ID : 24057231 Client Sample #: 72308**

Location: Rainier Brewery

Layer 1 of 3 Description: Gray mastic

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials:%

Cellulose 3%

Asbestos Type: %**None Detected ND****Layer 2 of 3 Description:** Tan tile

Non-Fibrous Materials:

Vinyl/binder

Other Fibrous Materials:%

Cellulose 1%

Asbestos Type: %**Chrysotile 2%****Sampled by:** Client**Analyzed by:** Wei Long Tai**Date Analyzed:** 07/29/2004**Reviewed by:** Nick Ly**Date Issued:** 07/29/2004

Nick Ly, Technical Director

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Layer 3 of 3 Description: Black mastic

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials:%

Cellulose 2%


Asbestos Type: %**None Detected ND****Lab ID : 24057256 Client Sample #: 72309****Layer 1 of 1 Description: Brown mastic**

Non-Fibrous Materials:

Mastic/binder

Other Fibrous Materials:%

Cellulose 2%

Asbestos Type: %**None Detected ND****Sampled by: Client****Analyzed by: Wei Long Tai****Date Analyzed: 07/29/2004****Reviewed by: Nick Ly****Date Issued: 07/29/2004**
Nick Ly, Technical Director

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